II. CLAIM AMENDMENTS

1 - 18. (Cancelled)

19. (Currently amended) A method for determining a ciphering mode ~~of~~to be used in communication between a mobile communication network and a mobile station, the mobile station being capable of communication in at least one enciphered mode of communication and at least one unciphered mode of communication, the method comprising:

- monitoring at the mobile station control signals received from the mobile communication network ~~for~~to detect a cipher mode ~~control signal~~command message, the cipher mode ~~control signal~~command message ~~for~~ ~~setting~~requesting the mobile station ~~in~~to ~~an~~start enciphered~~ing mode of communication~~;
- responsive to ~~reception of~~detection of a cipher mode ~~control signal~~command message in the monitored control signals from the mobile communication network, ~~setting~~starting enciphering in the mobile station ~~into an enciphered mode of communication~~ and indicating to a user of the mobile station that the mobile communication network is ~~configured to use~~operating in an enciphered mode of communication, using a cipher mode indicator provided in the mobile station.

20. (Cancelled)

21. (Currently amended) A method according to claim 19, further comprising indicating to a user of the mobile station that the mobile communication network is ~~configured to use~~operating in an unciphered mode of communication, using the cipher mode indicator provided in the mobile station, if no cipher mode ~~control signal~~command message is ~~received~~detected at the mobile station in the monitored control signals received from the mobile communication network.

22. (Cancelled)

23. (Previously presented) A method according to claim 19, comprising determining the ciphering mode to be used in communication between the mobile communication network and the mobile station during establishment of communication between the mobile communication network and the mobile station.

24. (Previously presented) A method according to claim 19, comprising determining the ciphering mode to be used in communication between the mobile communication network and the mobile station prior to establishment of communication between the mobile communication network and the mobile station.

25. (Previously presented) A method according to claim 24, comprising determining the ciphering mode to be used in communication between the mobile communication network and the mobile station by performing a location update procedure.

26. (Previously presented) A method according to claim 19, comprising determining the ciphering mode to be used in communication between the mobile communication network and the mobile station during a communication handover procedure that occurs when the mobile station moves between a first part of the mobile communication network and a second part of the mobile communication network.

27. (Cancelled)

28. (Previously Presented) A method according to claim 19, further comprising indicating a change in ciphering mode to a user of the mobile station.

29 – 30. (Cancelled)

31. (Previously Presented) A method according to claim 19, wherein the mobile station comprises a display unit, the method comprising indicating the ciphering mode used in communication between the mobile communication network and the mobile station to a user of the mobile station using the display unit.

32. (Previously Presented) A method according to claim 19, wherein the mobile station comprises a light source, the method comprising indicating the ciphering mode used in communication between the mobile communication network and the mobile station to a user of the mobile station using the light source.

33. (Previously presented) A method according to claim 28, wherein the mobile station comprises a display unit and an acoustic signal forming element, the method comprising indicating the ciphering mode used in communication between the mobile communication network and the mobile station to a user of the mobile station using the display unit and indicating a change in ciphering mode to a user of the mobile station using the acoustic signal forming element.

34. (Previously presented) A method according to claim 32, comprising indicating a change in ciphering mode with a flashing light.

35. (Currently amended) A method according to claim 28, comprising indicating a change in ciphering mode by causing a vibration battery to vibrate.

36. (Currently amended) A method according to claim 19, wherein the mobile station comprises a radio resource management block, a cipher indication~~or~~ memory block, and a user interface block, the method comprising maintaining a cipher mode indication data field in the cipher indication memory block, monitoring signals sent from the mobile communication network to the mobile station at the radio resource management block to determine whether said monitored signals comprise a cipher mode ~~control~~

~~signal~~command message, wherein upon determining that said monitored signals comprise a cipher mode ~~control signal~~command message, the radio resource management block sets a value of the cipher mode indication data field ~~in said cipher indication memory block~~ to correspond with cipher indication data in said cipher mode ~~control signal~~command message.

37. (Currently amended) A method according to claim 36, wherein said cipher indicati~~on~~or memory block makes an interrupt request ~~in~~ responsive to ~~a change~~detecting that a new value has been set in the cipher mode indication data field.

38. (Currently amended) A method according to claim 37, wherein the user interface block detects said interrupt request and sends an inquiry about the cipher mode to the cipher indicati~~on~~or memory block ~~to inquire about the state of the cipher mode indication data field~~ and the cipher indicati~~on~~or memory block returns ~~an indication of the state of~~data on the cipher mode ~~indication data field~~to the user interface block in response to said inquiry.

39. (Currently amended) A method according to claim 38, wherein ~~the mobile station comprises a cipher mode indicator and~~ the user interface block ~~controls~~sets the cipher mode indicator ~~according~~ to ~~said indication of the state of the cipher~~a mode corresponding to the ciphering data ~~indication data field~~ provided by the cipher indicator memory block.

40. (Currently amended) A method according to claim 36, wherein the cipher indicati~~on~~or memory block ~~provides an indication of the state of the cipher mode indication data field~~sends cipher information to the user interface block whenever the ~~state of~~value in the cipher ~~mode~~ indicati~~on~~or ~~data field~~memory block is changed.

41. (Currently amended) A method according to claim 40, wherein ~~the mobile station comprises a cipher mode indicator and~~ the user interface block ~~controls~~sets the cipher mode indicator ~~according~~ to ~~said indication of the state of the cipher~~a mode corresponding to the cipher information ~~indication data field~~provided by the cipher indicator memory block.

42. (Currently amended) A method according to claim 36, wherein the user interface block sends ~~repeated~~cipher mode inquiri~~es~~y messages to the cipher indicati~~on~~or memory block ~~about the state of the cipher mode indication data field, each inquiry being separated in time from the next by a predetermined interval~~at regular intervals and the cipher indicati~~on~~or memory block ~~returns an indication of the state of the cipher mode indication data field in~~sends cipher information to the user interface block in response to each inquiry.

43. (Currently amended) A method according to claim 42, wherein ~~the mobile station comprises a cipher mode indicator and~~ the user interface block ~~controls~~sets the cipher mode indicator ~~according~~ to ~~said indication of the state of the cipher~~a mode corresponding to the cipher information ~~indication data field~~provided by the cipher indicator memory block.

44. (Previously presented) A method according to claim 19, wherein the mobile station is capable of a first and a second type of communication, the method comprising indicating a ciphering mode of each of said first and second types of communication to a user of the mobile station.

45. (Previously presented) A method according to claim 44, wherein the first type of communication is a telephone call and said second type of communication is a short message (SMS).

46. (Previously presented) A method according to claim 44, comprising indicating the ciphering mode of the first type of communication in a manner distinguishable from that used to indicate the ciphering mode of the second type of communication.

47. (Previously presented) A method according to claim 44, further comprising indicating a change in ciphering mode of the first type of communication and indicating a change in ciphering mode of the second type of communication.

48. (Previously presented) A method according to claim 19, wherein a first mobile station and a second mobile station are in communication with each other through at least one mobile communication network, the method comprising indicating the ciphering mode between the mobile communication network and the first mobile station to a user of the second mobile station.

49-54. (Cancelled)

55. (Previously presented) A method according to claim 19, comprising using the mobile station in communication with a terminal in a fixed line communication network, the method further comprising indicating a ciphering mode used in communication between the fixed line communication network and the terminal in the fixed line communication network to a user of the mobile station.

56. (Previously presented) A method according to claim 55, wherein the mobile station sends an inquiry message to the terminal in the fixed line communication network to determine the ciphering mode used in communication between the fixed line communication network and said terminal in the fixed line network.

57. (Previously presented) A method according to claim 56, wherein if the mobile station does not receive a response to said inquiry message, the mobile station indicates that the ciphering mode is unknown.

58. (Currently amended) A method according to claim 56, wherein if the mobile station receives a response to said inquiry message, but cannot interpret said response, the mobile station indicates that the ciphering mode is unknown.

59. (Currently amended) An apparatus for use ~~with~~in a mobile station for determining a ciphering mode ~~of~~to be used in communication between a mobile communication network and the mobile station, the mobile station being capable of communication in at least one enciphered mode of communication and at least one unciphered mode of communication, the apparatus comprising:

- means for monitoring control signals received from the mobile communication network at the mobile station; ~~means for determining if said monitored signals comprise~~ to detect a cipher mode ~~control signal~~command message, said cipher mode ~~control signal~~command message ~~for setting~~requesting the mobile station ~~in~~to ~~an~~start enciphered~~ed~~ing ~~mode of communication~~;
- means for ~~setting~~starting enciphering in the mobile station ~~into an enciphered mode of communication~~ responsive to ~~reception~~detection of a cipher mode ~~control signal~~command message in the monitored control signals from the mobile communication network; and
- ~~means~~a cipher mode indicator for indicating a ciphering mode to a user of the mobile station, ~~said~~the ~~means~~cipher mode indicator being configured to indicate that the mobile communication network is ~~configured to use~~operating in an enciphered mode of communication ~~if said monitored signals comprise~~responsive to detection of a cipher mode ~~control signal~~command message in the monitored control signals received from the mobile communication network.

60. (Cancelled)

61. (Currently amended) An apparatus according to claim 59, wherein ~~said means for indicating a ciphering mode to a user of the mobile station are~~the cipher mode indicator is further configured to indicate that the mobile communication network is ~~configured to use~~operating in an unciphered mode of communication if ~~said monitored signals do not comprise a~~no cipher mode ~~control signal~~command message is detected in the monitored control signals received from the mobile communication network.

62. (Previously Presented) An apparatus according to claim 59, wherein the apparatus is configured to determine the ciphering mode to be used in communication between the mobile communication network and the mobile station during establishment of communication between the mobile communication network and the mobile station.

63. (Previously Presented) An apparatus according to claim 59, wherein the apparatus is configured to determine the ciphering mode to be used in communication between the mobile communication network and the mobile station prior to establishment of communication between the mobile communication network and the mobile station.

64. (Previously Presented) An apparatus according to claim 63, wherein the apparatus is configured to determine the ciphering mode to be used in communication prior to establishment of communication between the mobile communication network and the mobile station by performing a location update procedure.

65. (Cancelled)

66. (Currently amended) An apparatus according to claim 59, wherein said ~~means for indicating a ciphering mode to a user of the mobile station~~cipher mode indicator comprises a display unit.

67. (Currently amended) An apparatus according to claim 59, wherein said ~~means for indicating a ciphering mode to a user of the mobile station~~cipher mode indicator comprises a light source.

68. (Currently amended) An apparatus according to claim 59, wherein ~~the apparatus further comprises means for~~said cipher mode indicator is configured to indicat~~inge~~ a change in ciphering mode to a user of the mobile station.

69. (Currently amended) An apparatus according to claim 68, wherein said ~~means for indicating a change in ciphering mode to a user of the mobile station comprise~~cipher mode indicator is configured to indicate a change in ciphering mode by causing an acoustic signal forming element to produce an acoustic signal.

70. (Currently amended) An apparatus according to claim 68, wherein said ~~means for indicating a change in ciphering mode to a user of the mobile station comprise~~ cipher mode indicator is configured to indicate a change in ciphering mode by ~~means for generating~~causing a vibration battery to vibrate.

71 - 73. (Cancelled).

74. (Currently amended) An apparatus according to claim 59, comprising a radio resource management block, ~~and~~ a cipher indicat~~ion~~or memory block and a user interface block, the cipher mode indicator memory block comprising a cipher mode indication data field, the radio resource management block being configured to set a value of the cipher mode indication data field ~~in said cipher indication memory block~~ to

correspond with cipher indication data in a cipher mode ~~control signal~~command message received from the mobile communication network.

75. (Currently amended) An apparatus according to claim 74, wherein ~~said~~the cipher indicati~~on~~or memory block is configured to ~~issue~~make an interrupt request ~~in~~ responsive to ~~a change~~detecting that a new value has been set in the cipher mode indication data field.

76. (Currently amended) An apparatus according to claim 75, ~~further comprising a user interface block,~~ wherein the user interface block is configured to detect said interrupt request and to send an inquiry about the cipher mode to the cipher indicati~~on~~or memory block ~~to inquire about the state of the cipher mode indication data field~~ and the cipher indicati~~on~~or memory block is configured to return ~~an indication of the state of said~~data on the cipher mode ~~indication data field~~to the user interface block in response to said inquiry.

77. (Currently amended) An apparatus according to claim 76, ~~further comprising a cipher mode indicator,~~ wherein the user interface block is configured to ~~control~~set the cipher mode indicator ~~according~~ to ~~said indication~~a mode corresponding to the ciphering data provided by the cipher indicator memory block.

78. (Currently amended) An apparatus according to claim 74, ~~further comprising a user interface block,~~ wherein the cipher indicati~~on~~or memory block is configured to ~~provide an indication of the state of said cipher mode indication data field~~send cipher information to the user interface block whenever the ~~state of said~~value in the cipher ~~mode~~ indicati~~on~~or ~~data field~~memory block is changed.

79. (Currently amended) An apparatus according to claim 78, ~~further comprising a cipher mode indicator,~~ wherein the user interface block is configured to ~~control~~set the

cipher mode indicator ~~according~~ to ~~said indication~~a mode corresponding to the cipher information provided by the cipher indicator memory block.

80. (Currently amended) An apparatus according to claim 74, ~~further comprising a user interface block,~~ wherein the user interface block is configured to send ~~repeated~~cipher mode inquiri~~es~~y messages to the cipher indicati~~on~~or memory block ~~about the state of the cipher mode indication data field, each inquiry being separated in time from the next by a predetermined interval~~at regular intervals and the cipher indicati~~on~~or memory block is configured to ~~return an indication of the state of the cipher mode indication data field~~send cipher information to the user interface block in response to each inquiry.

81. (Currently amended) An apparatus according to claim 80, ~~further comprising a cipher mode indicator,~~ wherein the user interface block is configured to ~~control~~set the cipher mode indicator ~~according~~ to ~~said indication~~a mode corresponding to the cipher information provided by the cipher indicator memory block.

82. (Currently amended) A mobile station comprising apparatus for determining a ciphering mode ~~of~~to be used in communication between a mobile communication network and the mobile station, the mobile station being capable of communication in at least one enciphered mode of communication and at least one unciphered mode of communication, the apparatus comprising:

- means for monitoring control signals received from the mobile communication network at the mobile station~~; means for determining if said monitored signals comprise~~ to detect a cipher mode ~~control signal~~command message, said cipher mode ~~control signal~~command message ~~for setting~~requesting the mobile station ~~in~~to ~~an~~start ~~enciphered~~ing ~~mode of communication~~;
- means for ~~setting~~starting enciphering in the mobile station ~~into an enciphered mode of communication~~ responsive to ~~reception~~detection of a cipher mode ~~control~~

~~signal~~command message in the monitored control signals from the mobile communication network; and

- ~~means~~a cipher mode indicator for indicating a ciphering mode to a user of the mobile station, ~~said~~the ~~means~~cipher mode indicator being configured to indicate that the mobile communication network is ~~configured to use~~operating in an enciphered mode of communication ~~if said monitored signals comprise~~responsive to detection of a cipher mode ~~control signal~~command message in the monitored control signals received from the mobile communication network.

83. (Cancelled)

84. (Currently amended) A mobile station according to claim 82, wherein ~~said means for indicating a ciphering mode to a user of the mobile station are~~the cipher mode indicator is further configured to indicate that the mobile communication network is ~~configured to use~~operating in an unciphered mode of communication if ~~said monitored signals do not comprise a~~no cipher mode ~~control signal~~command message is detected in the control signals received from the mobile communication network.

85. (Currently amended) A mobile station ~~comprising apparatus for determining a ciphering mode of communication between a mobile communication network and the mobile station, the mobile station being~~ capable of communication in at least one enciphered mode of communication and at least one unciphered mode of communication, the mobile station comprising:

- means for monitoring control signals received from the mobile communication network at the mobile station; ~~means for determining if said monitored signals comprise~~ to detect a cipher mode ~~control signal~~command message;
- means for setting the mobile station into an enciphered mode of communication ~~if said monitored signals comprise~~responsive to detection of a cipher mode ~~control~~

~~signal~~command message in the monitored control signals received from the mobile communication network;

- ~~means~~a cipher mode indicator for indicating a ciphering mode to a user of the mobile station, the cipher mode indicator ~~comprising means for~~being configured to indicat~~ing~~e that the mobile communication network is ~~configured to use~~operating in an enciphered mode of communication ~~if said monitored signals comprise~~responsive to detection of a cipher mode ~~control signal~~command message in the monitored control signals received from the mobile communication network and ~~means for~~ to indicat~~ing~~e that the mobile communication network is ~~configured to use~~operating in an unciphered mode of communication if ~~said monitored signals do not comprise a~~no cipher mode ~~control signal~~command message is detected in the monitored control signals received from the mobile communication network.

86. (Currently amended) A mobile station according to claim 85, the mobile station comprising a radio resource management block, ~~and~~ a cipher indicat~~ion~~or memory block and a user interface block, the cipher mode indicator block comprising a cipher mode indication data field, the radio resource management block being configured to set a value of the cipher mode indication data field ~~in said cipher indication memory block into one of a first state and a second state, said first state being indicative that the mobile communication network is configured to use an unciphered mode of communication and said second state being indicative that the mobile communication network is configured to use an enciphered mode of communication~~to correspond with cipher indication data in a cipher mode command message received from the mobile communication network.

87. (Currently amended) A mobile station according to claim 86, wherein said cipher indicat~~ion~~or memory block is configured to ~~issue~~make an interrupt request ~~in~~ responsive

to ~~a change~~ detecting that a new value has been set in the cipher mode indication data field.

88. (Currently amended) A mobile station according to claim 87, ~~further comprising a user interface block,~~ wherein the user interface block is configured to detect said interrupt request and to send an inquiry about the cipher mode to the cipher indicat~~ion~~or memory block ~~to inquire about the state of the cipher mode indication data field~~ and the cipher indicat~~ion~~or memory block is configured to return ~~an indication of the state of said~~data on the cipher mode ~~indication data field~~to the user interface block in response to said inquiry.

89. (Currently amended) A mobile station according to claim 88, wherein ~~said~~the user interface block is configured to ~~control~~set ~~said means for indicating a ciphering mode to a user of the mobile station in response to said indication of the state of the cipher mode indication data field~~the cipher mode indicator to a mode corresponding to the ciphering data provided by the cipher indicator memory block.

90. (Currently amended) A mobile station according to claim 86, ~~further comprising a user interface block,~~ wherein the cipher indicat~~ion~~or memory block is configured to ~~provide an indication of the state of said cipher mode indication data field~~send cipher information to the user interface block whenever the ~~state of said~~value in the cipher mode indicat~~ion~~or ~~data field~~memory block is changed.

91. (Currently amended) A mobile station according to claim 90, wherein ~~said~~the user interface block is configured to ~~control~~set ~~said means for indicating a ciphering mode to a user of the mobile station in response to said indication of the state of the cipher mode indication data field~~the cipher mode indicator to a mode corresponding to the cipher information provided by the cipher indicator memory block.

92. (Currently amended) A mobile station according to claim 86, ~~further comprising a user interface block,~~ wherein the user interface block is configured to send ~~repeated~~cipher mode inquiri~~es~~y messages to the cipher indicati~~on~~or memory block ~~about the state of the cipher mode indication data field~~ at regular intervals and the cipher indicati~~on~~or memory block is configured to ~~return an indication of the state of the cipher mode indication data field~~send cipher information to the user interface block in response to each inquiry.

93. (Currently amended) A mobile station according to claim 92, wherein ~~said~~the user interface block is configured to ~~control~~set ~~said means for indicating a ciphering mode to a user of the mobile station in response to said indication of the state of the cipher mode indication data field~~ the cipher mode indicator to a mode corresponding to the cipher information provided by the cipher indicator memory block.

94. (Currently amended) A system for determining a ciphering mode ~~of~~to be used in communication between a mobile communication network and a mobile station in the mobile communication network, the mobile station being capable of communication in at least one enciphered mode of communication and at least one unciphered mode of communication, the system comprising:

- means in the mobile communication network for determining whether an enciphered mode of communication is to be used in communication between the mobile communication network and the mobile station according to a setting of the mobile communication network;
- means in the mobile communication network for sending a cipher mode ~~control signal~~command message from the mobile communication network to the mobile station in a situation where an enciphered mode of communication is to be used in communication between the mobile communication network and the mobile station, said cipher mode ~~control signal~~command message ~~for setting~~requesting the mobile station ~~in~~to ~~an~~start encipher~~ed~~ing ~~mode of communication~~;

- means in the mobile station for monitoring control signals sent from the mobile communication network to the mobile station~~; means in the mobile station for determining if said monitored signals comprise~~ to detect a cipher mode ~~control signal~~command message;
- means in the mobile station for ~~setting~~starting enciphering in the mobile station ~~into an enciphered mode of communication if said monitored signals comprise~~responsive to detection of a cipher mode ~~control signal~~command message in the monitored control signals from the mobile communication network; and
- ~~means~~a cipher mode indicator in the mobile station for indicating a ciphering mode to a user of the mobile station, ~~said~~the ~~means~~cipher mode indicator being configured to indicate that the mobile communication network is ~~configured to use~~operating in an enciphered mode of communication ~~if said monitored signals comprise~~responsive to detection of a cipher mode ~~control signal~~command message in the monitored control signals from the mobile communication network.

95. (Cancelled)

96. (Currently amended) A system according to claim 94, wherein ~~said~~the ~~means for indicating a ciphering mode to a user of the mobile station are~~cipher mode indicator is further configured to indicate that the mobile communication network is ~~configured to use~~operating in an unciphered mode of communication if ~~said monitored signals do not comprise a~~no cipher mode ~~control signal~~command message is detected in the monitored control signals received from the mobile communication network.

97. (Cancelled)

98 - 121. (Cancelled)

122. (Currently amended) An apparatus for use in a mobile station for ~~determining~~informing a user of the mobile station about a ciphering mode ~~of~~ used in communication between a mobile communication network and a mobile station, the mobile station being capable of communication in at least one enciphered mode of communication and at least one unciphered mode of communication, the apparatus comprising:

~~a radio resource management block for monitoring signals sent from the mobile communication network to the mobile station and for determining if said monitored signals comprise a cipher mode control signal;~~

- a cipher indicator memory block comprising a cipher indication data field, the cipher indication data field having a value representative of an enciphering mode used in communication between the mobile communication network and the mobile station;
- a cipher mode indicator for indicating a ciphering mode to a user of the mobile station~~,~~; and
- a user interface block, the user interface block being configured to set ~~said~~the cipher mode indicator ~~being configured to indicate that the mobile communication network is configured to use an enciphered mode of communication responsive to an indication from the radio resource management block that said monitored signals comprise a cipher mode control signal~~ into a mode corresponding to the value of the cipher indication data field.

123. (Cancelled)

124. (Currently amended) An apparatus according to claim 122, comprising a radio resource management block, ~~cipher indication memory block having a cipher mode indication data field,~~ the radio resource management block being configured to set a value of the cipher mode indication data field ~~of said cipher indication memory block~~ to

correspond with cipher indication data in a cipher mode ~~control signal~~command message received from the mobile communication network.

125. (Currently amended) An apparatus according to claim 124, wherein ~~said~~the cipher indicati~~on~~or memory block is configured to ~~issue~~make an interrupt request ~~in~~ responsive to ~~a change~~detecting that a new value has been set in the cipher mode indication data field.

126. (Currently amended) An apparatus according to claim 125, ~~further comprising a user interface block,~~ wherein the user interface block is configured to detect said interrupt request and to send an inquiry about the cipher mode to the cipher indicati~~on~~or memory block ~~to inquire about the state of the cipher mode indication data field~~ and the cipher indicati~~on~~or memory block is configured to return ~~an indication of the state of said~~data on the cipher mode ~~indication data field~~to the user interface block in response to said inquiry.

127. (Cancelled)

128. (Currently amended) An apparatus according to claim 124, ~~further comprising a user interface block,~~ wherein the cipher indicati~~on~~or memory block is configured ~~to provide an indication of the state of said cipher mode indication data field~~send cipher information to the user interface block whenever the ~~state of said~~value in the cipher mode indicati~~on~~or ~~data field~~memory block is changed.

129. (Cancelled)

130. (Currently amended) An apparatus according to claim 124, ~~further comprising a user interface block,~~ wherein the user interface block is configured to send ~~repeated~~cipher mode inquiri~~es~~y messages to the cipher indicati~~on~~or memory block

~~about the state of the cipher mode indication data field, each inquiry being separated in time from the next by a predetermined interval~~at regular intervals and the cipher indicati~~on~~or memory block is configured to ~~return an indication of the state of the cipher mode indication data field~~send cipher information to the user interface block in response to each inquiry.

131. (Cancelled)

132. (Currently amended) A mobile station capable of communication in at least one enciphered mode of communication and at least one unciphered mode of communication, the mobile station comprising:

- ~~a radio resource management block for monitoring signals sent from a mobile communication network to the mobile station and for determining if said monitored signals comprise a cipher mode control signal;~~
- a cipher indicator memory block comprising a cipher indication data field, the cipher indication data field having a value representative of an enciphering mode used in communication between the mobile communication network and the mobile station;
- a cipher mode indicator for indicating a ciphering mode to a user of the mobile station~~,~~; and
- a user interface block, the user interface block being configured to set ~~said~~ the cipher mode indicator ~~being configured to indicate that the mobile communication network is configured to use an enciphered mode of communication responsive to an indication from the radio resource management block that said monitored signals comprise a cipher mode control signal~~into a mode corresponding to the value of the cipher indication data field.

133. (Previously presented) A system according to claim 94, wherein the ciphering mode to be used in communication between the mobile communication network and the mobile station is specified by an operator of the mobile communication network.

134. (Previously presented) A system according to claim 94, wherein communication between the mobile communication network and the mobile station takes place at least in part over a radio link.

135. (Previously Presented) A system according to claim 94, wherein the mobile communication network is a GSM network.

136. (Currently amended) A mobile station comprising:

- a radio resource management block configured to monitor control signals received from a mobile communication network ~~and~~ to ~~determine~~detect ~~whether said received signals comprise~~ a cipher mode ~~control signal~~command message, said cipher mode command message ~~for setting~~requesting the mobile station ~~in~~to ~~an~~start enciphered~~ing mode of communication~~;
- a user interface block configured to control a cipher mode indicator to inform a user that the mobile communication network is ~~configured to use~~operating in an enciphered mode of communication~~,~~ responsive to ~~determination~~detection of a cipher mode command message by the radio resource management block ~~that said received signals comprise a cipher mode control signal~~ in the monitored control signals received from the mobile communication network.

137. (Currently amended) A mobile station according to claim 136, wherein the user interface block is configured to control the cipher mode indicator to inform a user that the mobile communication network is ~~configured to use~~operating in an unciphered mode of communication, ~~responsive to determination by~~if the radio resource management block ~~that said received signals~~ does not ~~comprise~~detect a cipher mode

~~control signal~~command message in the monitored control signals received from the mobile communication network.

138. (Previously Presented) A mobile station according to claim 136, wherein the mobile station is configured to determine a ciphering mode to be used in communication between the mobile communication network and the mobile station during establishment of communication between the mobile communication network and the mobile station.

139. (Previously Presented) A mobile station according to claim 136, wherein the mobile station is configured to determine a ciphering mode to be used in communication between the mobile communication network and the mobile station prior to establishment of communication between the mobile communication network and the mobile station.

140. (Previously Presented) A mobile station according to claim 139, wherein the mobile station is configured to determine the ciphering mode to be used in communication between the mobile communication network and the mobile station by performing a location update procedure.

141. (Previously Presented) A mobile station according to claim 136, wherein the mobile station is configured to determine a ciphering mode to be used in communication between the mobile communication network and the mobile station during a communication handover procedure that occurs when the mobile station moves between a first part of the mobile communication network and a second part of the mobile communication network.

142. (Previously Presented) A mobile station according to claim 136, wherein the mobile station is configured to inform a user of a change in ciphering mode.

143. (Previously Presented) A mobile station according to claim 136, wherein the cipher mode indicator is provided on a display unit of the mobile station.

144. (Previously Presented) A mobile station according to claim 136, wherein the cipher mode indicator comprises a light source.

145. (Previously Presented) A mobile station according to claim 136, wherein the mobile station is configured to indicate the ciphering mode used in communication between the mobile communication network and the mobile station using a display unit of the mobile station and to indicate a change in ciphering mode using an acoustic signal forming element of the mobile station.

146. (Previously Presented) A mobile station according to claim 144, wherein the mobile station is configured to indicate a change in ciphering mode with a flashing light.

147. (Currently amended) A mobile station according to claim 142, wherein the mobile station is configured to indicate a change in ciphering mode by causing a vibration battery to vibrate.

148. (Currently amended) A mobile station according to claim 136, wherein the mobile station comprises a cipher indicat~~ion~~or memory block, the cipher mode indicator memory block comprising a cipher mode indication data field and the radio resource management block is configured to set a value of athe cipher mode indication data field ~~of the cipher indication memory block~~ to correspond with cipher indication data in a cipher mode ~~control signal~~command message received from the mobile communication network.

149. (Currently amended) A mobile station according to claim 148, wherein the cipher indicationor memory block is configured to issuemake an interrupt request in responsive to a changedetecting that a new value has been set in the cipher mode indication data field.

150. (Currently amended) A mobile station according to claim 149, wherein the user interface block is configured to detect said interrupt request and to send an inquiry about the cipher mode to the cipher indicationor memory block to inquire about the state of the cipher mode indication data field and wherein the cipher indicationor memory block is configured to return an indication of the state ofdata on the cipher mode indication data fieldto the user interface block in response to said inquiry.

151. (Currently amended) A mobile station according to claim 150, wherein the user interface block is configured to controlset the cipher mode indicator according to said indicationa mode corresponding to the ciphering data provided by the cipher indicator memory block.

152. (Currently amended) A mobile station according to claim 148, wherein the cipher indicationor memory block is configured to provide an indication of the state of said cipher mode indication data fieldsend cipher information to the user interface block whenever the state of saidsaid the value in the cipher mode indicationor data fieldmemory block is changed.

153. (Currently amended) A mobile station according to claim 152, wherein the user interface block is configured to controlset the cipher mode indicator according to said indicationa mode corresponding to the cipher information provided by the cipher mode indicator memory block.

154. (Currently amended) A mobile station according to claim 148, wherein the user interface block is configured to send ~~repeated~~cipher mode inquiri~~es~~y messages to the cipher indicati~~on~~or memory block ~~about the state of the cipher mode indication data field, each inquiry being separated in time from the next by a predetermined interval~~at regular intervals and ~~wherein~~ the cipher indicati~~on~~or memory block is configured to ~~return an indication of the state of the cipher mode indication data field~~send cipher information to the user interface block in response to each inquiry.

155. (Currently amended) A mobile station according to claim 154, wherein the user interface block is configured to ~~control~~set the cipher mode indicator ~~according~~ to ~~said indication~~a mode corresponding to the cipher information provided by the cipher indication memory block.

156. (Currently amended) An apparatus for use ~~with~~in a mobile station, the apparatus comprising:

- a cipher indication memory block comprising a cipher mode indication data field, the cipher mode indication data field for holding cipher indication data indicative of a ciphering mode used in communication between a mobile station and a mobile communication network; and
- an output for providing the cipher indication data to a user interface block of the mobile station responsive to a cipher mode enquiry from the user interface block.